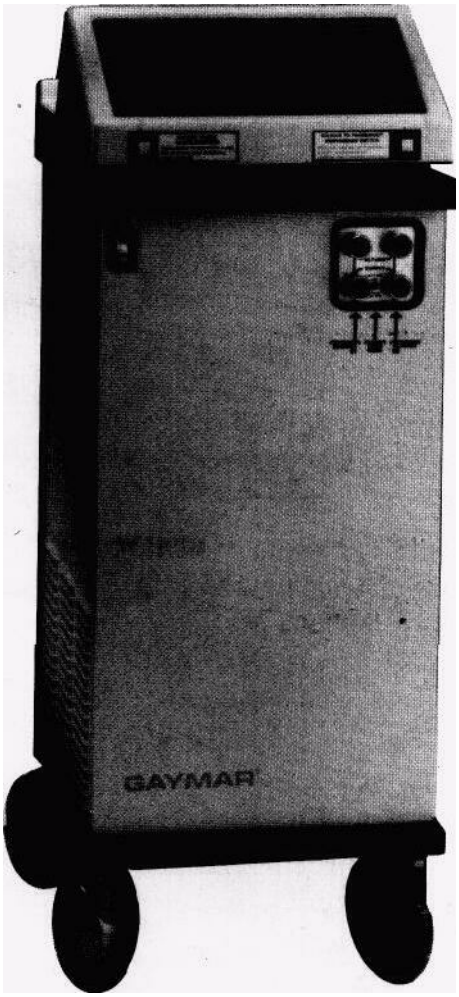
MEDITHERM Hyper/Hypothermia

OPERATING INSTRUCTION MANUAL
AUTOMATIC/MANUAL CONTROL MODEL
MTA-4700



LISTED 303L

STANDARD (NORME) C22.2 NO. 125 RISK CLASS (CATÉGORIE DE RISQUE) NO. 2G

P/N 06685-000

Maximum benefit to your patient, at the greatest margin of safety, requires a thorough knowledge and understanding of the correct operation and application of this unit. It is important, therefore, that you read and understand the Operating Instructions and all Precautions (refer to page 9) prior to use.

The Gaymar MEDI-THERM System is designed to regulate patient temperature by the application of hyper/hypothermia blankets, through which temperature controlled water is circulated.

Gaymar's Model MTA-4700 machine may be operated to provide patient therapy in two basic modes, Automatic and Manual. In Automatic Mode, patient temperature is automatically regulated to an operator-specified set point.

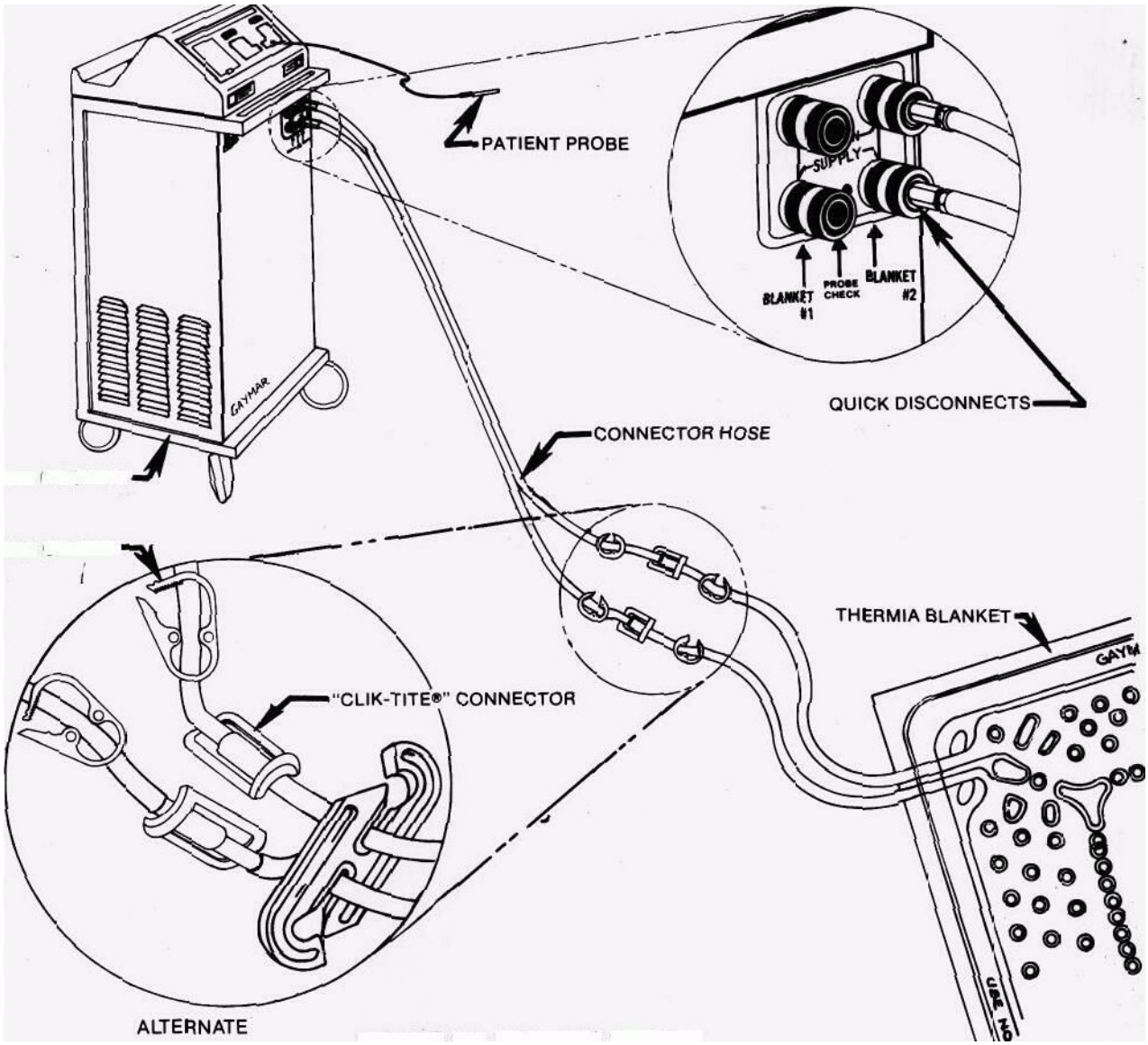
In Manual Mode, the operator must observe patient temperature, and adjust the blanket water temperature to obtain the desired results.

MEDI-THERM also features a convenient means of monitoring patient temperature, without providing therapy, yet with the machine in standby condition, available for immediate use. This third operating mode. Patient Temperature Monitoring, is achieved by utilizing the accurate sensing capability of the Patient Probe.

The main components of the Gaymar System are shown in Figure (1), and include the Model MTA-4700 MEDI THERM machine, one eight (8) foot Connector Hose, the Patient Probe, and the Gaymar "button design" Thermal Blanket.

MTA-4700 MACHINE

FIGURE (1): MTA-4700 SYSTEM



"PINCH-TYPE"
CLAMPS'

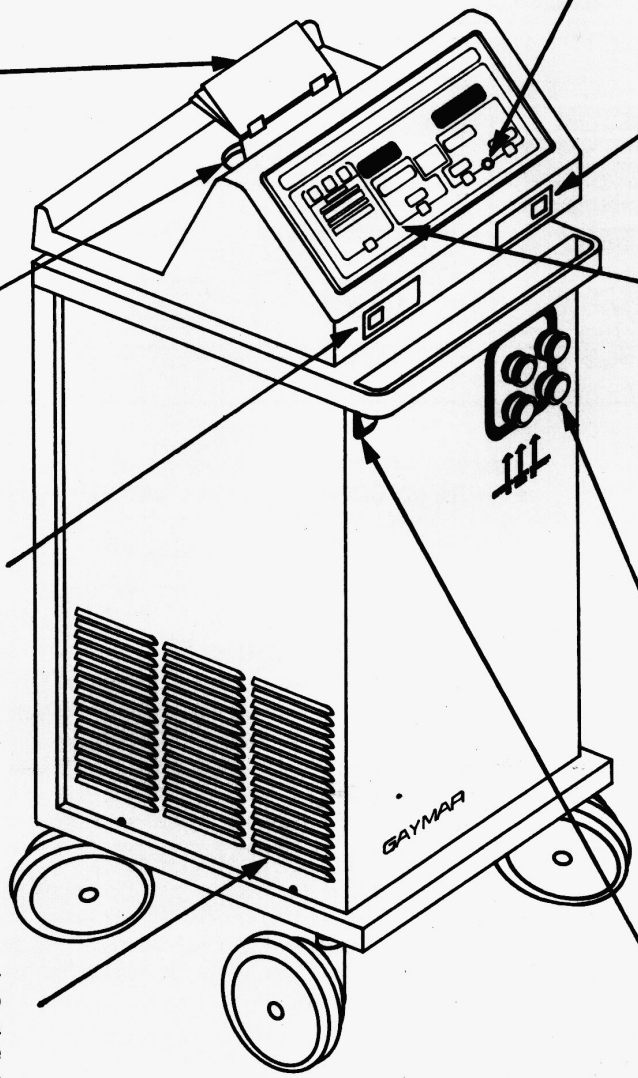
MTA-4700 FEATURES & CONTROLS

The main features of the MEDI-THERM unit are shown in Figure (2). Take a few minutes to become familiar with their location and purpose before reading the Start-Up Procedures or attempting to place the unit in operation.

PATIENT PROBE JACK
Accepts Patient Probe Plug which connects patient probe to machine. Use YSI 400 Series Probe or equivalent.

OPERATING INSTRUCTIONS
Numbered instructions covering MEDI-THERM operation attached to cover of water fill opening.

CELSIUS TO FAHRENHEIT CONVERSION SWITCH*
Press and hold switch to observe blanket water and patient temperatures in degrees Fahrenheit.
*120 Volt units only.



WATER FILL OPENING
Lift cover to fill unit with distilled water. Fill to screen. CAUTION: DO NOT OVER FILL.

OPERATOR CONTROL PANEL
Contains indicators and controls used in MEDI-THERM operation.

PATIENT PROBE ALARM SILENCER SWITCH
Can be used to silence Patient Probe Alarm for five (5) minutes. (Will not silence alarm if REMOVE FROM SERVICE alert is indicated).

BLANKET MANIFOLD & PROBE CHECK WELL
Blanket(s) water supply connections. Manifold Quick Disconnect fittings are labeled SUPPLY and RETURN.

AIR VENTS
Louvered ventilation openings are located on two sides of the cabinet, with a screened opening on the rear. Keep clear to assure adequate air circulation.

ON-OFF SWITCH (Circuit Breaker)
Controls power to MEDI-THERM.

FIGURE (2): MTA-4700 MAIN FEATURES